



IAP10 Rec'd PCH TO 18 NOV 2005

#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/534,781 : Confirmation No.:
Applicant : Neil Alexander Downie
Filed : 11/20/2003
For : Volume Flow Controller

Art Unit :
Examiner :

Docket No. : 06309 USA
Customer No. : 23543

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I CERTIFY THAT THIS PAPER (ALONG WITH ANY PAPER REFERRED TO AS BEING ATTACHED OR ENCLOSED) IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE WITH SUFFICIENT POSTAGE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:	
COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450	
ON	11/16/2005 Date
Willard Jones, II (Type or print name of person mailing paper)	
 Signature of person mailing paper	

~~DECLARATION~~ LETTER

Sir:

In response to the "Notice to File Missing Parts of Nonprovisional Application," dated 10/07/2005 (copy enclosed), the executed Declaration for the above-described application is enclosed. A Fee Transmittal (PTO/SB/17), in duplicate, is also enclosed.

Respectfully submitted,

Willard Jones, II
Attorney of Record
Registration No. 31,172

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

BEST AVAILABLE COPY



IAP10 Rec'd PCTO 18 NOV 2005

PATENT 06309 USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: **Neil Alexander Downie**

Confirmation No.: **1736**

International Appln No.: **PCT/GB03/05064**

Priority Date: **11/20/2002**

Serial No.: **10/534,781**

Group No.:

Filed: **20 November 2003**

Examiner:

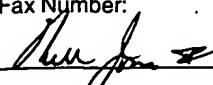
For: **Volume Flow Controller**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

AMENDMENT TRANSMITTAL

- 1. Transmittal.** Transmitted herewith is a preliminary amendment for this application.
- 2. Status.** Applicants are other than a small entity.
- 3. Extension of Term.** The proceedings herein are for a patent application and the provisions of 37 CFR 1.136 do not apply.

Certificate of Mailing/Transmission (37 C.F.R. 1.8a)	
On 11/16/2005 16 Nov 2005 at 10:00:00 AM 10:00:00 AM I, the Commissioner of Patents, hereby certify that the following application, serial number 10/534,781 10/534,781 , was transmitted by mail on the date shown below, being:	
<input checked="" type="checkbox"/> deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or	<input type="checkbox"/> transmitted by facsimile to the Patent and Trademark Office.
<u>16 Nov 2005</u> Date	Fax Number: <u> </u>  Willard Jones, II Registration Number: 31,172

4. Fee for Claims.. The fee for claims has been calculated as shown below:

Type of Claim	Claims Remaining After Amendment	Highest Number of Claims Previously Paid For	Present Extra	Rate	Additional Fee
Total	39	39	0	18	0
Independent	5	5	0	88	0
Total Fee for Claims					0

5. Fee Payment. No additional fees are due.

6. Fee Deficiency. If any additional extension and/or fee is required, charge Account No. 01-0493. If any additional fee for claims is required, charge Account No. 01-0493.

Respectfully submitted,



Willard Jones, II
Registration No. 31,172

Air Products and Chemicals, Inc.
Allentown, Pennsylvania 18195-1501
(610) 481-4587



PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 130.00

Complete if Known

Application Number	10/534,781
Filing Date	11/20/2003
First Named Inventor	Neil Alexander Downie
Examiner Name	
Art Unit	
Attorney Docket No.	06309 USA

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 01-0493 Deposit Account Name: Air Products and Chemicals, Inc.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	50	=	0		
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3 or HP =	x	200	=	0		
HP = highest number of independent claims paid for, if greater than 3						

11/25/2005 ATRAM1 00000050 010493 10534781
01 FC:1617 130.00 DA**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)	
- 100 =	/ 50 =	(round up to a whole number) x	250	=	0

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Late oath and declaration surcharge

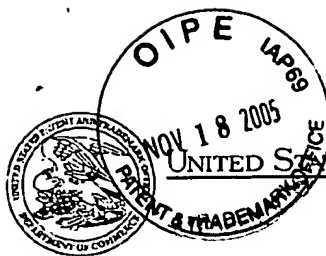
130

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	31,172	Telephone	610 481 4587
Name (Print/Type)	Willard Jones, II	Date	11/16/2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Rec'd PCT/PTO 18 NOV 2005
SAKI file

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/534,781	FIRST NAMED APPLICANT Neil Alexander Downie	ATTY. DOCKET NO. (PCT) 06309 USA
INTERNATIONAL APPLICATION NO. PCT/GB03/05064		

23543
 AIR PRODUCTS AND CHEMICALS, INC.
 PATENT DEPARTMENT
 7201 HAMILTON BOULEVARD
 ALLENTOWN, PA 181951501

OCT 14 2005

IA. FILING DATE 11/20/2003	PRIORITY DATE 11/20/2002
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CONFIRMATION NO. 1736
 371 FORMALITIES LETTER



OC000000017172575

Date Mailed: 10/07/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 05/13/2005
- Copy of the International Search Report filed on 05/13/2005
- Copy of IPE Report filed on 05/13/2005
- Oath or Declaration filed on 05/13/2005
- Copy of references cited in ISR filed on 05/13/2005
- U.S. Basic National Fees filed on 05/13/2005
- Priority Documents filed on 05/13/2005

*Response
 to Missing
 Parts Bracketed
 for 07 December
 2005*

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- ✓ Additional claim fees of **\$3510** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- ✓ Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- ✓ To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$3640** for a Large Entity:

- \$130 Surcharge.
- Total additional claim fee(s) for this application is \$ 3510
 - \$600 for 5 independent claims over 3.
 - \$2550 for 70 total claims over 20.
 - \$360 for multiple dependent claim surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

*The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

MAMIE P PERSON

Telephone: (703) 308-9140 EXT 227

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/534,781	PCT/GB03/05064	06309 USA